



OrderPatent



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 1131841
(43) Date of publication of application: 24.11.2007

(51) Int. Cl. C12N 15/09
C07K 14/47, C12N 9/76
// A61K 38:00

(21) Application number: **10133615**
(22) Date of filing: **15.05.1998**

(71) Applicant: SHIOSAKA SADA O
IGAKU SEIBUTSUGAKU
KENKYUSHO:KK
(72) Inventor: SHIOSAKA SADA O
YOSHIDA SHIGETAKA

(54) HUMAN NEUROPSIN, ITS DNA SEQUENCE, ITS GENE AND ITS PRIMER

as GTGACCCCGC-CCCTGGATT.
COPYRIGHT: (C)1989,JPO

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a new human neuropsin exhibited by a specific amino acid sequence, specifically expressed in the cerebral hippocampus and useful for the elucidation of the mechanism of human brain and development of therapeutic medicines for brain disorders.

SOLUTION: This new human neuropsin is shown by an amino acid sequence of formula I. The DNA sequence encoding this human neuropsin is expressed by a base sequence of formula I. The gene for this human neuropsin consists of 6 exons and 5 introns. The 6 exons are shown by base Nos.1-26, Nos.27-104, Nos.105-264, Nos.26-27, Nos.628-661 and Nos.662-868 of the base sequence of formula I, respectively. The promoter region is shown by a base sequence of formula II. The primer of this human neuropsin is shown by the base sequence such

```

STEP/NOISE MEASUREMENT INFORMATION
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
REV (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50)
      6              12              18
      |
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
REV (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50)
      24              27              30
      |
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
REV (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50)
      24
      |
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
REV (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50)
      24

```

[illegible]

BEST AVAILABLE COPY